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 introduction of free HIT display format  
 NEWS 32 MAY 15 INPADOCDB and INPAFAMDB enhanced with Chinese legal  
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=> file caplus, agricola, kosmet		
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	ENTRY	SESSION
FULL ESTIMATED COST	1.54	1.54

FILE 'CAPLUS' ENTERED AT 14:48:18 ON 26 MAY 2009  
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FILE 'AGRICOLA' ENTERED AT 14:48:18 ON 26 MAY 2009

FILE 'KOSMET' ENTERED AT 14:48:18 ON 26 MAY 2009  
 COPYRIGHT (C) 2009 International Federation of the Societies of Cosmetics Chemists

=> s (mixed (w) ester#) (L) pentaerythritol  
 L1 252 (MIXED (W) ESTER#) (L) PENTAERYTHRITOL

=> 11 and palmitic and stearic  
 L1 IS NOT A RECOGNIZED COMMAND  
 The previous command name entered was not recognized by the system.  
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 "HELP COMMANDS" at an arrow prompt (=>).

=> s l1 and palmitic and stearic  
L2 8 L1 AND PALMITIC AND STEARIC

=> d l2 1-8 ibib abs

L2 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 2008:1533359 CAPLUS  
DOCUMENT NUMBER: 150:77902  
TITLE: Skin and lip cosmetics containing a polyester and a  
branched hydrocarbon  
INVENTOR(S): Ricard, Audrey  
PATENT ASSIGNEE(S): L'Oreal, Fr.  
SOURCE: U.S. Pat. Appl. Publ., 21 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 20080317693	A1	20081225	US 2008-142124	20080619
FR 2917614	A1	20081226	FR 2007-55931	20070621
EP 2008645	A1	20081231	EP 2008-158045	20080611
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LI, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR, AL, BA, MK, RS				
KR 2008112995	A	20081226	KR 2008-58618	20080620
JP 2009007359	A	20090115	JP 2008-162515	20080620
IN 2008CN03124	A	20090306	IN 2008-CN3124	20080620
CN 101411677	A	20090422	CN 2008-10175614	20080620
PRIORITY APPLN. INFO.:			FR 2007-55931	A 20070621
			US 2007-929738P	P 20070711

OTHER SOURCE(S): MARPAT 150:77902  
AB The present patent application relates to a composition containing a certain type of polyester and a branched hydrocarbon compound. Also described is a cosmetic treatment method employing the composition and the use of this composition for caring for or making up the skin or lips. E.g., pentaerythrityl benzoate/isophthalate/isostearate is prepared from pentaerythritol and the corresponding acids and this ester used in a lipstick formulation.

L2 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 1995:658361 CAPLUS  
DOCUMENT NUMBER: 123:288292  
ORIGINAL REFERENCE NO.: 123:51637a, 51640a  
TITLE: Halogen-containing polymer compositions with excellent thermal stability  
INVENTOR(S): Goto, Hiroyuki; Higaki, Juzo  
PATENT ASSIGNEE(S): Nisshin Fine Chemical Kk, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07097495	A	19950411	JP 1993-263061	19930928
PRIORITY APPLN. INFO.:			JP 1993-263061	19930928
AB Title comps. are prepared by melt kneading halo-containing polymers with Zn, Pb, alkaline earth metal, or organic Sn stabilizers and $\geq 1$ partial ester prepared from $\geq 1$ polyol containing neopentyl structures and mixture of even number C of linear and saturated C12-28 fatty acids containing $\geq 1\%$ of each C number of fatty acids. Thus, 136 g pentaerythritol and 594 g FA-F 54 (hydrogenated fish-oil fatty acid mixture of 1% C12, 5% C14, 23% C16, 22% C18, 21% C20, 21% C22, 5% C24, and 2% C26) were esterified at 160-230° with SnCl2 to give 625 g product with acid value 0.4, saponification value 161, and OH value 158. PVC was melt kneaded with DOP 20, Zn stearate 2, Ca stearate 1, (PhO)3P 0.3, and the product 1 part and made into a sheet showing good dispersibility of the product and blackening time (180°) 130 min.				
L2 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN				
ACCESSION NUMBER:		1993:7910 CAPLUS		
DOCUMENT NUMBER:		118:7910		
ORIGINAL REFERENCE NO.:		118:1643a,1646a		
TITLE:		Fatty acid ester-coated titania particles with good dispersibility in plastic masterbatches		
INVENTOR(S):		Decelles, Guy		
PATENT ASSIGNEE(S):		Tiioxide Group Services Ltd., UK		
SOURCE:		Brit. UK Pat. Appl., 12 pp.		
		CODEN: BAXXDU		
DOCUMENT TYPE:		Patent		
LANGUAGE:		English		
FAMILY ACC. NUM. COUNT:		2		
PATENT INFORMATION:				

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2252306	A	19920805	GB 1991-27244	19911223
GB 2252306	B	19950510		
ES 2067168	T3	19950316	ES 1991-311937	19911223
US 5288320	A	19940222	US 1991-814439	19911230
AU 9190107	A	19920806	AU 1991-90107	19911231
AU 643352	B2	19931111		
ZA 9200015	A	19921028	ZA 1992-15	19920102
CA 2058825	A1	19920803	CA 1992-2058825	19920106
CA 2058825	C	19980428		
PRIORITY APPLN. INFO.:			GB 1991-2315	A 19910202
AB Titania-based oxides are coated with esters of alcs. containing 1-6 OH groups and C10-22 saturated fatty acids to give products with the title property. Thus, a blend of 1:1 Escorene 5101 (linear low-d. polyethylene) and hydrous Al2O3 (1%)-coated TiO2 pretreated with 0.35% trimethylolpropane and 0.17% Loxiol EP 728 (pentaerythritol ester of myristic, palmitic and stearic acid mixture) was extruded at 90 rpm and 140-180° and showed flow rate 1.48 kg/h and torque 1950 m-g; vs. 1.30 and 2150, resp., without the Loxiol EP 728.				
L2 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN				
ACCESSION NUMBER:		1992:424898 CAPLUS		

DOCUMENT NUMBER: 117:24898  
 ORIGINAL REFERENCE NO.: 117:4481a,4484a  
 TITLE: Indirect food additives: adjuvants, production aids, and sanitizers  
 CORPORATE SOURCE: United States Food and Drug Administration, Rockville, MD, 20857, USA  
 SOURCE: Federal Register (1992), 57(83), 18081-2, 29 Apr 1992  
 CODEN: FEREC; ISSN: 0097-6326  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB The identity description for the lubricant pentaerythritol adipate stearate is revised, under the Federal Food, Drug, and Cosmetic Act, to indicate that it is an ester of pentaerythritol with adipic acid and stearic acid and its associated fatty acids (chiefly palmitic), with adipic acid comprising 14% and stearic acid and its associated acids (chiefly palmitic) comprising 71% of the acid moieties. The m.p. (dropping) is changed from 49-52° to 55-58° as determined by ASTM method D566-76.

L2 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1990:236018 CAPLUS  
 DOCUMENT NUMBER: 112:236018  
 ORIGINAL REFERENCE NO.: 112:39827a,39830a  
 TITLE: Manufacture of polyol poly(meth)acrylates  
 INVENTOR(S): Naruoka, Hiroto; Motoyama, Hisaya  
 PATENT ASSIGNEE(S): Toa Gosei Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02036149	A	19900206	JP 1988-185378	19880727
JP 2611356	B2	19970521		

PRIORITY APPLN. INFO.: JP 1988-185378 19880727  
 AB The title compds. showing good solubility in both hydrophilic and lipophilic medium are prepared by esterification of 1 mol polyols containing N (N ≥ 3) alc. OH groups with A mol (meth)acrylic acid and B mol C8-22 saturated monocarboxylic acids at  $N \leq A + B \leq 2N$  and  $0.2 \leq B \leq N/3$ . Thus, trimethylolpropane 1, capric acid 0.4, behenic acid 0.1, and acrylic acid 2.8 mol were stirred in toluene in presence of p-MeC6H4SO3H and hydroquinone under air bubbling at 103° for 6 h to give 350 g polyol polyacrylate with viscosity (at 25°) 75 cP, MeCN and kerosene solubility (to 5.0 g ester solution in 200 g toluene) 13.2 mL and ≥ 30 mL, and good photopolymerizability, vs. 100, ≥ 30, 1.3, and poor, resp., for trimethylolpropane triacrylate.

L2 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1988:519605 CAPLUS  
 DOCUMENT NUMBER: 109:119605  
 ORIGINAL REFERENCE NO.: 109:19769a,19772a  
 TITLE: Electrostatographic toner carriers from paramagnetic particles coated with surfactant-containing polymer  
 INVENTOR(S): Mostecky, Jiri; Gorgon, Oldrich; Formanek, Jan;

PATENT ASSIGNEE(S): Stepanova, Jana  
 SOURCE: Czech.  
 CODEN: CZXXA9  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Czech  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 235297	B1	19850515	CS 1984-669	19840130
PRIORITY APPLN. INFO.:			CS 1984-669	19840130

AB Carriers for electrostatog. toners with uniform surface and extended life are comprised of paramagnetic metal, alloy, or oxide particles coated with a polymer containing 0.01-35% of a surfactant selected from abietic acid derivs., rosin, mixed esters of glycerol and addition products of rosin acids and anhydrides of dicarboxylic acids or pentaerythritol with rosin acids, PhOH-CH<sub>2</sub>O resins modified with rosin, glycerol polyesters modified with vegetable oils or tall oil acids, styrene-modified alkyd resins, Co, Pb, Ba, and alkali metal naphthenates, octoates, and stearates, stearic, oleic, linoleic, linolenic, and palmitic acids, ethers, addition compds. of oxirane and methyloxirane, and lipids. Thus, a solution of poly(Me methacrylate) 8, 2,6-di-tert-butyl-4-methylphenol 1.1, and a rosin-modified PhOH-CH<sub>2</sub>O resin 0.3 g in 150 mL Me<sub>2</sub>CO was used for coating 1500 g of Fe alloy (containing 10% Si) particles (100-200 µm), dried at 100-120°, crushed, and classified to give particles of <250 µm. The obtained electrostatog. toner carriers had a high pos. charge and good wear resistance.

L2 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1960:36080 CAPLUS  
 DOCUMENT NUMBER: 54:36080  
 ORIGINAL REFERENCE NO.: 54:7080b-e  
 TITLE: Ointment bases  
 INVENTOR(S): Schluter, Werner  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1014712		19570829	DE 1952-SC10597	19520925

AB The title products consist of large amts. of esters containing free OH groups, and small amts. of silicones. For the preparation of these esters, suitable acids are saturated and unsatd. acids containing 12-20 C atoms, e.g. lauric, myristic, palmitic, stearic, elaidic, palmitic, linoleic, or linolenic acids; suitable polyhydric alcs. include ethylene glycol, glycerol, erythritol, and pentaerythritol. The esters can be obtained either by ester interchange of the complete esters with polyhydric alcs. or by esterification of the fatty acids with the proper amount of polyhydric alcs. The mixts. may also contain complete esters, fatty alcs., e.g. hexadecyl, octadecyl, tetradecyl, dodecyl, or 9-octadecenyl alcs. and (or) waxy esters, e.g. tetradecyl or hexadecyl palmitates, and other ingredients conventionally used in the preparation of ointment bases for cosmetic or pharmaceutical purposes. Since such mixts.

contain hydrophilic as well as lipophilic radicals, they may also contain H2O-soluble and oil-soluble active substances. Their pH can be alternatively adjusted from neutral to weakly acid. Because of their content of silicones combined with free OH groups, the products are highly viscous, resistant to rancidity, and leave a protective film on the skin that can easily be washed off with H2O. Thus, milling 50 parts of pentaerythritol tetralaurate and tetrapalmitate, 2 parts silicone, 1 part talc, and 150 parts H2O gives a smooth barrier cream. The mixed esters can be prepared either by esterification or ester interchange of the 2 acids or their triglycerides with the polyhydric alc. and subsequent mixing of the partial esters or by subjecting the mixture of the two acids or their triglycerides to the action of a polyhydric alc.

L2 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 1948:1859 CAPLUS  
 DOCUMENT NUMBER: 42:1859  
 ORIGINAL REFERENCE NO.: 42:393g-i  
 TITLE: Synthetic waxes  
 INVENTOR(S): Burrell, Harry; Bowman, Philip I.; Barth, Robert H.  
 PATENT ASSIGNEE(S): Hayden Chemical Corp.  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Unavailable  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2427255		19470909	US 1942-452664	19420728

AB Synthetic hard waxes are prepared by esterifying pentaerythritol or polypentaerythritol with saturated fatty acids and maleic anhydride. The waxy products are compatible with all common natural waxes, are not appreciably soluble in H2O or organic solvents except hydrocarbons, and may be emulsified to form paste waxes, useful as coatings and polishes. Thus, 1000 parts stearic acid, 168 parts tech. pentaerythritol (85% monopentaerythritol, 15% dipentaerythritol), and 10 parts Ca naphthenate were heated in a CO2 atmospheric for 1.25 hrs. at 250°. The mixture was cooled to 150°, 58 parts maleic anhydride added, and the temperature was raised to 250° for 4 hrs. The product was a hard, light-brown wax, m. 65.2°. Sward hardness was 44 as compared to 18 for natural yellow carnauba wax. Mixing 50 parts of this new wax with 25 parts rosin gave a soft wax resembling beeswax in appearance, color, and odor, m. 58.4°. Similarly, other waxes were prepared by using in place of stearic such acids as lauric, myristic, palmitic, oleic, or mixed fatty acids. Cf. C.A. 39, 223.3, 1415.3.

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SINCE FILE

TOTAL

ENTRY

SESSION

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FILE 'CAPLUS, AGRICOLA, KOSMET' ENTERED AT 14:48:18 ON 26 MAY 2009  
 L1 252 S (MIXED (W) ESTER#) (L) PENTAERYTHRITOL  
 L2 8 S L1 AND PALMITIC AND STEARIC

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=> file caplus, agricola, kosmet  
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=> s l1 and capric and lauric and myristic and stearic  
 L3 1 L1 AND CAPRIC AND LAURIC AND MYRISTIC AND STEARIC

=> d l3 ibib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 1990:236018 CAPLUS  
 DOCUMENT NUMBER: 112:236018  
 ORIGINAL REFERENCE NO.: 112:39827a,39830a  
 TITLE: Manufacture of polyol poly(meth)acrylates  
 INVENTOR(S): Naruoka, Hiroto; Motoyama, Hisaya  
 PATENT ASSIGNEE(S): Toa Gosei Chemical Industry Co., Ltd., Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent



LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02036149	A	19900206	JP 1988-185378	19880727
JP 2611356	B2	19970521		

PRIORITY APPLN. INFO.: JP 1988-185378 19880727  
 AB The title compds. showing good solubility in both hydrophilic and lipophilic medium are prepared by esterification of 1 mol polyols containing N (N  $\geq$  3) alc. OH groups with A mol (meth)acrylic acid and B mol C8-22 saturated monocarboxylic acids at  $N \leq A + B \leq 2N$  and  $0.2 \leq B \leq N/3$ . Thus, trimethylolpropane 1, capric acid 0.4, behenic acid 0.1, and acrylic acid 2.8 mol were stirred in toluene in presence of p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H and hydroquinone under air bubbling at 103° for 6 h to give 350 g polyol polyacrylate with viscosity (at 25°) 75 cP, MeCN and kerosene solubility (to 5.0 g ester solution in 200 g toluene) 13.2 mL and  $\geq$ 30 mL, and good photopolymerizability, vs. 100,  $\geq$ 30, 1.3, and poor, resp., for trimethylolpropane triacrylate.

=> d his

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L1 FILE 'CAPLUS, AGRICOLA, KOSMET' ENTERED AT 14:48:18 ON 26 MAY 2009  
 L2 252 S (MIXED (W) ESTER#) (L) PENTAERYTHRITOL  
 8 S L1 AND PALMITIC AND STEARIC

FILE 'STNGUIDE' ENTERED AT 15:00:02 ON 26 MAY 2009

L3 FILE 'CAPLUS, AGRICOLA, KOSMET' ENTERED AT 15:00:42 ON 26 MAY 2009  
 1 S L1 AND CAPRIC AND LAURIC AND MYRISTIC AND STEARIC

=> s l1 and (fatty (w) acid#)  
 L4 103 L1 AND (FATTY (W) ACID#)

=> s l4 and (long (w) chain)  
 L5 7 L4 AND (LONG (W) CHAIN)

=> d l5 not l2  
 L2 IS NOT VALID HERE  
 For an explanation, enter "HELP DISPLAY".

=> s l5 not l2  
 L6 7 L5 NOT L2

=> d l6 1-7 ibib abs

L6 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN  
 ACCESSION NUMBER: 2007:591559 CAPLUS  
 DOCUMENT NUMBER: 147:15620  
 TITLE: External preparation for skin containing isononyl  
 2-ethylhexanoate and/or 2-ethylhexyl 2-ethylhexanoate  
 INVENTOR(S): Omura, Takayuki; Takakura, Yoshihito  
 PATENT ASSIGNEE(S): Shiseido Company, Ltd., Japan

SOURCE: PCT Int. Appl., 90pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007060823	A1	20070531	WO 2006-JP321925	20061026
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RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
JP 2007145721	A	20070614	JP 2005-338363	20051124
JP 2007145722	A	20070614	JP 2005-338364	20051124
EP 1955691	A1	20080813	EP 2006-822845	20061026
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CN 101312706	A	20081126	CN 2006-80043429	20080521
US 20090081142	A1	20090326	US 2008-85513	20080523
KR 2008073753	A	20080811	KR 2008-714648	20080617
PRIORITY APPLN. INFO.:			JP 2005-338363	A 20051124
			JP 2005-338364	A 20051124
			WO 2006-JP321925	W 20061026
AB	Disclosed are an external preparation for skin comprising (a) isononyl 2-ethylhexanoate and/or 2-ethylhexyl 2-ethylhexanoate; an oil-in-water type emulsion skin cosmetic comprising the component (a), (b) one or more members selected from higher fatty acids and higher alcs. which are in a solid or a semi solid form at normal temperature (25°), (c) a homopolymer, a copolymer or a cross-polymer containing as a constituent unit, one or more members selected from 2-acrylamido-2-methylpropanesulfonic acid, acrylic acid and derivs. thereof, or a mixture thereof, and (d) one or more members selected from nonionic surfactant having an HLB value of 9 or greater; and an oil-in-water type or a water-in-oil type emulsion sunscreen cosmetic comprising (a) isononyl 2-ethylhexanoate and/or 2-ethylhexyl 2-ethylhexanoate, (b) an UV light absorber, (c) an UV light scattering agent, and (d) a silicone oil. The usage of isononyl 2-ethylhexanoate and/or 2-ethylhexyl 2-ethylhexanoate improves skin compatibility of the composition and provides good feeling upon usage. For example, an oil-in-water cream composition containing dimethylacrylamide-2-acrylamido-2-methylpropanesulfonic acid-methylenebisacrylamide cross polymer 0.5, trisodium ethyleneidamine tetraacetate 0.01, 1,3-butylene glycol 7, Et paraben 0.2, Bu paraben 0.1, α-olefin oligomer 5, 2-ethylhexyl 2-ethylhexanoate 10, polyethylene glycol monostearate 0.5, cetostearyl glucoside 0.1, stearyl alc. 0.7, behenyl alc. 2.5, dimethylsilicone oil 5, decamethylcyclopentasiloxane 3, cosmetic glycerin 3, and water balance to 100 % was formulated.			

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2006:436745 CAPLUS

DOCUMENT NUMBER: 144:434158

TITLE: Thermoplastic polyester compositions with good releasability and surface gloss, and moldings containing them

INVENTOR(S): Suzuki, Noriyuki; Miyano, Junji

PATENT ASSIGNEE(S): Kaneka Corp., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 16 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2006117736	A	20060511	JP 2004-304831	20041019
PRIORITY APPLN. INFO.:			JP 2004-304831	20041019

AB The comps., useful for lamp parts, etc., contain thermoplastic polyesters and pentaerythritol derivs. selected from multimers of pentaerythritol long-chain fatty acid esters, pentaerythritol long-chain fatty acid/dibasic acid mixed esters, and their multimers. Thus, a composition comprising poly(butylene terephthalate) (KP 210) 60, PET (EPG 70) 40, and dipentaerythritol adipate stearate (Rikester EW 250) 0.03 part was injection-molded using a mold having mirror surfaces (Number 14000 abrasive) and vapor-deposited with Al to give a test piece showing thickness of the Al layer 800 Å and diffuse reflectance 0.7% and 1.0% before and after storing at 150° for 10 h. A molding comprising the composition showed heat distortion temperature (0.45 MPa-load) 162°.

L6 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2000:300909 CAPLUS

DOCUMENT NUMBER: 132:322771

TITLE: ABS compositions for calendaring

INVENTOR(S): Kodama, Yasumoto; Tsukakoshi, Yusuke; Suda, Shinkou

PATENT ASSIGNEE(S): Shin-Etsu Polymer Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000129076	A	20000509	JP 1998-305187	19981027
JP 3449531	B2	20030922		
PRIORITY APPLN. INFO.:			JP 1998-305187	19981027

AB Title comps. with good roll release, high transparency, smooth surface, and no flow marks comprise ABS resin 100, acrylic polymers 0.5-6.0, and organic Sn compds. 0.2-5 parts. Thus, a composition comprising S-2331 (ABS)

100,

L-1000 (acrylic polymer) 3.0, T-831 [dioctyltin bis(isooctyl thioglycolate)] 0.3, Number 1737 (polyoxyethylene phosphate tridecyl ether) 0.8, and mixed pentaerythritol esters with adipic acid and fatty acids 0.3 part was calendered with good roll release to give a sheet with high transparency, smooth surface, and no plating out.

L6 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1997:506807 CAPLUS  
DOCUMENT NUMBER: 127:137385  
ORIGINAL REFERENCE NO.: 127:26479a,26482a  
TITLE: Fabric softening composition  
INVENTOR(S): Khan-Lodhi, Abid Nadim; Whaley, Christopher  
PATENT ASSIGNEE(S): Unilever Plc, UK; Unilever N.V.  
SOURCE: PCT Int. Appl., 30 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9723590	A1	19970703	WO 1996-EP4843	19961106
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2240953	A1	19970703	CA 1996-2240953	19961106
CA 2240953	C	20040120		
AU 9675659	A	19970717	AU 1996-75659	19961106
AU 721656	B2	20000713		
EP 876455	A1	19981111	EP 1996-938111	19961106
R: DE, ES, FR, GB, IT				
BR 9612231	A	19990713	BR 1996-12231	19961106
ES 2160843	T3	20011116	ES 1996-938111	19961106
ZA 9609821	A	19980522	ZA 1996-9821	19961122
US 5985820	A	19991116	US 1996-768517	19961218
PRIORITY APPLN. INFO.:			GB 1995-26182	A 19951221
			WO 1996-EP4843	W 19961106

OTHER SOURCE(S): MARPAT 127:137385

AB A biodegradable fabric conditioning composition with improved viscosity control is based on (i) a quaternary ammonium fabric softening compound containing at least one ester group and; (ii) a polymeric nonionic surfactant with a mol. weight of less than 15,000 and having two long chain alkyl groups in which the two long chains are separated from each other by a hydrophilic moiety such as R1X(PEO/PPO)YR2 [R1, R2 = C10-22 alkyl or alkenyl, PEO/PPO = poly(ethylene oxide) or a copolymer of poly(ethylene oxide) and poly(propylene oxide), X, Y = ether, ester, amine, amide, carbonate, carbamate, carbamidel].

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1996:579763 CAPLUS

DOCUMENT NUMBER: 125:197573  
 ORIGINAL REFERENCE NO.: 125:36989a,36992a  
 TITLE: Styrene-based resin compositions with mold releasability  
 INVENTOR(S): Katayama, Masahiro  
 PATENT ASSIGNEE(S): Daicel Chem, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08169998	A	19960702	JP 1994-334137	19941216
PRIORITY APPLN. INFO.:			JP 1994-334137	19941216

AB The title compns. comprise styrene polymers 100, (di) pentaerythritol mixed esters with dibasic organic acids and higher fatty acids and/or (di) pentaerythritol higher fatty acid esters 0.1-2.0, ethylenebisstearylamine (I) 0.1-2.0, and low-mol. weight polyethylene (II) 0.1-2.0 parts. Thus, a blend of Styrol R 81 (high-impact polystyrene) 100, Rikester SL 02 (dipentaerythritol hexastearate) 0.2, I 0.2, and II 0.5 parts showed good mold releasability.

L6 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 1996:574030 CAPLUS  
 DOCUMENT NUMBER: 125:197594  
 ORIGINAL REFERENCE NO.: 125:36993a,36996a  
 TITLE: Flame-, heat-, and impact-resistant styrene polymer compositions with excellent colorability, fluidity, and releasability  
 INVENTOR(S): Okamoto, Yoshio  
 PATENT ASSIGNEE(S): Daicel Chem, Japan  
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.  
 CODEN: JKXXAF  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08169997	A	19960702	JP 1994-334136	19941216
PRIORITY APPLN. INFO.:			JP 1994-334136	19941216
OTHER SOURCE(S): MARPAT 125:197594				

AB Title compns., useful for household appliances, office automation equipments, building materials, and interior automotive trims, contain 100 parts styrene polymers, 5-25 parts C6H5RC6H5 (substituted by 1-5 Br on Ph; R = O, C1-6 alkylene) as fireproofing agents, 2-10 parts Sb2O3, 0.1-1.5 parts organic Sn compds., 0.05-4 parts mixed esters [from dibasic organic acids, higher fatty acids, and pentaerythritol (I) and/or dipentaerythritol (II)] and/or higher fatty esters of I and/or II, and 0.05-2 parts fatty amides [containing ≥80% particles (100 mesh pass)]. Thus, high-impact polystyrene 100, Saytex 8010 [ethylenebis(pentabromodiphenyl)] 15, Sb2O3 5, Stann

BM(N) 0.5, Rikester EW 100 (fatty ester containing I and/or II) 1.0, and ethylenebis(stearamide) [containing  $\geq 90\%$  particles (200 mesh pass)] 0.6 part were tumbled, pelletized by melt kneading, and injection molded into test pieces, which showed flame retardance V-0 (1/16 in.) in the vertical burning test (UL 94), heat distortion temperature  $81^\circ$  (1/4 in.; ASTM D648), notched Izod impact strength 7.5 (1/4 in.; ASTM D256), and good dispersibility.

L6 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2009 ACS on SIN

ACCESSION NUMBER: 1977:537461 CAPLUS

DOCUMENT NUMBER: 87:137461

ORIGINAL REFERENCE NO.: 87:21783a,21786a

TITLE: Pentaerythritol esters of mercapto acids plus long chain fatty acids

INVENTOR(S): Moyer, Joseph Donald; Kramm, David Edward

PATENT ASSIGNEE(S): W. R. Grace and Co., USA

SOURCE: U.S., 9 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4039723	A	19770802	US 1975-623216	19751016
PRIORITY APPLN. INFO.:			US 1975-623216	19751016

AB Pentaerythritol [115-77-5] mixed esters with stearic acid (I) [57-11-4] and  $\beta$ -mercaptopropionic acid (II) [107-96-0] were prepared for use in radiation-curable coatings with improved slip characteristics, i.e. reduced coefficient of friction. Thus, a mixture of PhMe 600, dipentaerythritol [126-58-9] 130, I 132, p-toluenesulfonic acid 7.8 and II 259 lb was refluxed 22 h at  $210-16^\circ$  F and worked up to give the mixed ester in 76.6% yield. A coating containing diallyl phthalate [131-17-9] 48.8, pentaerythritol tetrakis( $\beta$ -mercaptopropionate) [7575-23-7] 48.8, the mixed ester prepared above 10, Ph2CO 2 and stabilizers 0.4 part was applied to Al sheets, exposed to UV radiation and baked 10 min at  $370^\circ$  F to give a coating with static coefficient of friction 0.196 compared with 0.392 for a similar coating not containing the mixed ester.

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(FILE 'HOME' ENTERED AT 14:44:21 ON 26 MAY 2009)

FILE 'CAPLUS, AGRICOLA, KOSMET' ENTERED AT 14:48:18 ON 26 MAY 2009

L1 252 S (MIXED (W) ESTER#) (L) PENTAERYTHRITOL

L2 8 S L1 AND PALMITIC AND STEARIC

FILE 'STNGUIDE' ENTERED AT 15:00:02 ON 26 MAY 2009

FILE 'CAPLUS, AGRICOLA, KOSMET' ENTERED AT 15:00:42 ON 26 MAY 2009

L3 1 S L1 AND CAPRIC AND LAURIC AND MYRISTIC AND STEARIC

L4 103 S L1 AND (FATTY (W) ACID#)

Serial No.: 10/599682\_D

L5            7 S L4 AND (LONG (W) CHAIN)  
L6            7 S L5 NOT L2

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ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

STN INTERNATIONAL LOGOFF AT 15:06:58 ON 26 MAY 2009